Abstracts

Transmission Lines Loaded at Regular Intervals

By a mathematical analysis, the switching time of an incident wave is predicted for a terminated net in which equal, lumped capacitive loads are repeated a finite number of times at regular intervals. The analysis is valid even for the ease of only a few loads, for which the distributed load approximation is poor. An APL program has been developed to compute the delay; its use is demonstrated by an example. The results are extended to include complex loads.

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